

L 23049-65 EWT(m)/EPF(n)-2/EWP(t)/EWP(b)/EWP(1) Fu-4/Pad DIAAP/
IJP(c) JD/HW/JG

ACCESSION NR: AP4047841

S/0153/64/007/004/0623/0626

AUTHOR: Pobedimskiy, G. R.; Krupin, S. V.

TITLE: Investigation of the electrodeposition of small amounts of molybdenum
with nickel and with cobalt by the radioactive indicator method

SOURCE: IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 7, no. 4, 1964,
623-626

TOPIC TAGS: molybdenum, nickel molybdenum alloy, cobalt molybdenum alloy,
electrodeposition, ultrasonics, edge effect, radioactive tracer

ABSTRACT: The effect of current density, electrolysis temperature and molybdenum concentration in the electrolyte on the coprecipitation of small amounts of molybdenum with nickel and with cobalt was studied using the Mo^{99} isotope. The molybdenum content increased in the Ni-Mo alloy (up to 30%) and in the Co-Mo alloy (to 25%) as the Mo concentration in the electrolyte increased to 1 and to about 0.5 gm/l, respectively, and as the temperature increased from 20 to 70C. Changing the current density from 10-25 amp/dm² had practically no effect on the

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composition of the deposit. Concentrations of 0.07-0.25 gm/l of Mo in the Ni-Mo electrolyte and 0.3-0.12 gm/l Mo in the Co-Mo electrolyte gave dense bright deposits; further increase of Mo in the electrolyte resulted in deposits of poorer quality and in lower current yield. As the amount of Mo in the electrolyte increased, the Mo in the deposit was more evenly distributed; current density and electrolyte temperature had no effect on the Mo distribution. Application of ultrasonics (24 kilocycles/sec, 0.3-0.7 vt/cm²) produced an edge effect--the thickness of the deposit at the edge of the cathode increased. Orig. art. has: 5 figures

ASSOCIATION: Kazanskiy khimiko-tehnologicheskii institut im. S. M. Kirova, Kafedra fizicheskoy i kolloidnoy khimii (Kazansk Chemical Technological Institute, Department of Physical and Colloidal Chemistry)

SUBMITTED: 02Mar63

ENCL: 00

SUB CODE: MM, GC

NO REF SOV: 005

OTHER: 000

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L 23038-65 EWT(m)/EPF(n)-2/EMP(t)/EMP(b)/EMP(l)/EWA(h) Pad/Peb/Pu-l IJP(c)
ACCESSION NR: AP5001754 JD/HW/JG S/0153/64/007/005/0806/0809

AUTHOR: Pobedimskiy, G. R.; Krupin, S. V.

TITLE: Investigation of the electrodeposition of rhenum microadmixture with cobalt and nickel by the radioactive tracer method

SOURCE: IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 7, no. 5, 1964, 806-809

TOPIC TAGS: electrodeposition, cobalt, nickel, tungsten nickel alloy, tungsten cobalt alloy, rhenum, rhenum electrodeposition, ultrasonics

ABSTRACT: The dependence of the concentration of Re as a microcomponent in the electrolytic deposition of Ni and Co and of W-Ni and W-Co alloys on the electrolysis conditions and the action of an ultrasonic field was studied. The characteristics of the distribution of Re on the electrode were studied by the radioactive tracer method. In the case of Ni and Co, the Re content on the electrode was directly proportional to the Re concentration in the electrolyte and to the increase in temperature, and in reverse proportion to the current density. In the

L 23038-65
ACCESS ON NR: AP5001754

W-Ni and W-Co alloys the Re content in the deposit increased with increase in Re concentration in the electrolyte but was practically independent of electrolyte temperature and current density. The distribution of Re on the electrode was independent of electrololysis conditions or changes in current density, temperature or concentration. The Re concentration was 15-20% greater at the edges of the cathode, and ultrasonics intensified this effect. Increasing the power of the ultrasonics field from 0.3 to 0.7 v/cm² increased the Re content in Ni 80 times and in Co, 5 times. Orig. art. has: 4 figures and 1 table

ASSOCIATION: Kazanskiy khimiko-tekhnologicheskii institut im. S. M. Kirova,
Kafedra fizicheskoy i kolloidnoy khimii (Kazansk Chemical-Technological
Institute, Department of Physical and Colloidal Chemistry)

SUBMITTED: 15Jul63

ENCL: 00

SUB CODE: MM, Gc.

NR REF SOV: 006

OTHER: 000

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I 52302-65 EWI(d)/EWI(m)/EWP(1)/EWA(d)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(z)/EWP(b)/
EWP(1) Pf-4/Pad IJP(c) JJ/HW
ACCESSION NR: AP5008815

S/0080/65/038/003/0671/0673

AUTHOR: Pobedimskiy, G. R.

TITLE: Effect of ultrasonic irradiation on the process of formation of tertiary
nickel-cobalt-thallium alloy

SOURCE: Zhurnal prikladnoy khimii, v. 38, no. 3, 1965, 671-673

TOPIC TAGS: ultrasonic irradiation, alloy, ultrasonic vibration, electroplating,
nickel, cobalt, thallium

ABSTRACT: Change in composition and quality of plating was investigated with re-
spect to the effect of ultrasonic vibration upon the electroplating system. The
radioactive tracer method was used. A PM-1.5 magnetostriction supplied by a
UZM-1.5 ultrasonic generator served as the source of ultrasonic vibration. The
electrolyte composition was (kg/m³): NiSO₄·7H₂O--238.4; CoSO₄·7H₂O--11.9;
Ti₂SO₄--3.08; H₃PO₄--20; Na₂SO₄·10H₂O--100. The pH of the electrolyte was 2.5.
To the solution was added 0.1 Curie of Ti²⁰⁴ and 0.9 Curie of Co⁶⁰ per cubic meter
in the form of sulfate salts. The equilibrium potentials of Ni, Co, and Tl are

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ACCESSION NR: AP5008815

close enough to allow formation of an alloy plating by electrolysis from a solution of simple salts of these metals. Exposure to ultrasonic vibration does not change the mechanism of electroplating and there is a known mathematical relationship between alloy plating composition, current density and electrolyte temperature. The exposure to ultrasonic vibration affects only the overvoltage and the activation energies of deposition of each component of the alloy plating, and is reflected in the empirically determined constants in the corresponding mathematical relationships. Basically, exposure to ultrasonic vibration results in an increase in thallium content and corresponding reduction in nickel and cobalt content of the plating. The thickness of the platings is as low as 10 microns and the current efficiency as high as 95 per cent. From the viewpoint of alloy plating quality the optimal thallium content in the alloy is 20 per cent. Orig. art. has: 2 figures, 2 formulas, and 2 tables.

ASSOCIATION: Kazanskiy Khimiko-Tekhnologicheskii Institut im. S. M. Kirova (Kazan Institute of Chemical Technology)

SUBMITTED: 23Feb63

ENCL: 00

SUB CODE: MM

NO REF SOV: 002

OTHER: 000

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POBEDIMSKIY, G.R.

Effect of ultrasonic waves on the formation of the ternary
nickel-cobalt-thallium alloy. Zhur. prikl. khim. 38 no.3:671-
673 Mr '65.
(MIRA 18:11)

1. Kazanskiy khimiko-tekhnologicheskii institut imeni Kirova.
Submitted Febr. 23, 1963.

STERLIN, Yefim Abramovich; POBEDINSKIY, G.V., rezensent;
SOKOLOVA, V.Ye., red.

[Work organization and the establishment of work norms for those who work at several machine tools in the textile industry] Organizatsiia i normirovanie truda mnogostanochnikov v tekstil'noi promyshlennosti. Moskva, izd-vo "Legkaia industriia," 1964. 197 p. (MIRA 17:7)

~~POBEDIMSKIY, G.V.~~

Simplifying computations of labor and equipment productivity. Tekst.
prom. 18 no.3:10 Mr '58. (MIRA 11:3)
(Textile industry)

ZAMAKHOVSKIY, Lev Isidorovich; JERLIN, Ye.A., kandi. tekhn.
nauk, retsenzent; FOMINSKIY, G.V., retsenzent;
NESHATAYEVA, N.M., red.

[Organization and planning of cotton spinning enter-
prises] Organizatsiya i planirovaniye khlopkopriadi-
nogo proizvodstva. Moskva, legkaya industriya, 1964.
247 p. (NKA 18:1)

POBEDIMSKAYA, Ye. A.; BELOV, N.V., akademik

Crystalline structure of eudidymite ($\text{NaBeSi}_3\text{O}_7\text{OH}$). Dokl. AN SSSR 136
no.6:1448-1450 F '61. (MIRA 14:3)

1. Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova.
(Eudidymite)

POBEDIMSKAYA, Ye.A.; BELOV, N.V.

Structure of epididymite, $\text{NaBeSi}_3\text{O}_7(\text{OH})$. New form of unbounded silicon-oxygen chains (strings), $[\text{Si}_6\text{O}_{15}]$. Zhur. strukt. khim. 1 no.1:51-63 My-Je '60. (MIRA 13:8)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Epididymite)

POBEDINSKAYA, Ye. A.

USSR/Physics - Crystallography of Sulphides

FD-1251

Card 1/1 : Pub. 129-13/25

Author : Bokiy, G. B.; and Pobedinskaya, Ye. A.

Title : Crystallochemistry of Sulphides

Periodical : Vest. Mosk. un., Ser. fizikomat. i yest. nauk, 9, No 1, 99-106,
Feb 1954

Abstract : Describe the crystallography of the simple sulphides of monovalent elements (and their closest analogs); also that of the structure of the sulphides of alkali metals. Note the polymorphism of the sulphides of monovalent copper and silver. Depict the crystalline structures of cubic modifications of copper and silver sulphides (and their analogs). Discuss the crystalline structure of noncubic minerals and nonminerals (compounds of monovalent metals with sulfur, selenium and tellurium). Compute the solid solutions of the sulfides of monovalent copper, silver, gold and thallium (also the selenides). Thank N. L. Katsenelenbaum for the lattice constants.

Institution : Chair of Crystallography and Crystallochemistry

Submitted : July 10, 1953

BOKIY, G.B.; ZAGAL'SKAYA, Yu.G.; POBEDIMSKAYA, Ye.A.

Crystallochemistry of sulfides. Report No.3: Sulfur, selenium,
and tellurium of the AX_2 type. Vest.Mosk.un.Ser. 4: Geol. 16
no.3:18-33 My-Je '61. (MIRA 14:6)

1. Kafedra kristallografii i kristallokhimii Moskovskogo universiteta.
(Sulfur) (Selenium) (Tellurium)

POBEDIMSKAYA, Ye. A.
USSR/Geology - Sulfide crystals

FD-2175

Card 1/1 Pub. 129-1⁵/20

Author : Bokiy, G. B., and Pobedinskaya, Ye A.

Title : Crystallochemistry of sulfides. Article 2: Crystallochemistry of simple sulfides of the type AX

Periodical : Vest. Mosk. un., Ser. fizikom. i yest. nauk, 10, No 2, 121-130, Mar 1955

Abstract : The authors present the results of a survey of the structural data on sulfides of bivalent elements. They discuss the structural type of galenite (PbS), herzenbergite (SnS), nickeline (NiAs), sphalerite (ZnS), wuertztite, millerite (NiS), cuperite (PtS), covelline (CuS), TlSe, realgar (AsS), and compounds close to PbS (NaCl). Nineteen references, including two USSR: G. B. Bokiy, Vvedeniye v kristalloghimiya (Introduction to crystallochemistry), Moscow University Press, 1954; "Crystalline structures of chemical elements," Vest, Mosk. un., No 5, 1948.

Institution : Chair of Crystallography and Crystallochemistry

Submitted : June 5, 1954

PRIGOROVSKIY, N.I., professor, doktor tekhnicheskikh nauk, redaktor;
POBEDIMSKIY, V.V., redaktor; SHEVCHENKO, G.N., tekhnicheskii
~~redaktor.~~

[Optical polarisation method for investigating stresses; collection
of articles] Poliarizatsionno-opticheskii metod issledovaniia napriazhenii; sbornik statei. Moskva, 1956. 279 p. (MLRA 9:6)

1. Akademiya nauk SSSR. Institut mashinovedeniya.
(Polarisation (Light)) (Strains and stresses)

CHERNIKOV, Ivan Sergeyevich; POBEDIN, I.I., nauchnyy red.; GLAZUNOVA,
Z.M., red. izd-va; KASIMOV, D.Ya., tekhn. red.

[Organization of accounting in construction mechanization
administrations] Organizatsiia bukhgalterskogo ucheta v uprav-
leniakh mekhanizatsii stroitel'stva. Moskva, Gosstroizdat,
1962. 114 p. (MIRA 15:7)

(Construction industry--Accounting)

AZARENKO, B.S., kand. tekhn. nauk; AFANAS'YEV, V.D., kand. tekhn. nauk;
 BROVMAN, M.Ye., inzh.; VAVILOV, M.P., inzh.; VERTIK, A.E., inzh.;
 GOLUBKOV, K.A.; GUBKIN, S.I., akademik [deceased]; GUSEVICH, A.Ye.,
 inzh.; DAVYDOV, V.I., kand. tekhn. nauk; DROZD, V.G., inzh.;
 YEFIMOLAYEV, N.F., inzh.; ZHUKOVICH-STOSHA, Ye.A., inzh.; KIRILIN,
 N.M., kand. tekhn. nauk; KOVYNEV, M.V., inzh.; KOGOS, A.M., inzh.;
 KOROLEV, A.A., prof.; KUGAYENKO, M.Ye., inzh.; LASKIN, A.V., inzh.;
 LEVITANSKIY, B.A., inzh.; LUGOVSKIY, V.M., inzh.; MEYEROVICH, I.M.,
 kand. tekhn. nauk; OVCHAROV, M.S., inzh.; PASTERNAK, V.I., inzh.;
 PERLIN, I.L., doktor tekhn. nauk; POEDIN, I.S., kand. tekhn. nauk;
 ROKOTYAN, Ye.S., doktor tekhn. nauk; SAF'YAN, M.M., kand. tekhn.
 nauk; SMIRNOV, V.V., kand. tekhn. nauk; SMIRNOV, V.S.; SOKOLOVSKIY,
 O.P., inzh.; SOLOV'YEV, O.P., inzh.; SIDORKEVICH, M.A., inzh.;
 TRET'YAKOV, Ye.M., inzh.; TRISHEVSKIY, I.S., kand. tekhn. nauk;
 KHENKIN, G.N., inzh.; TSELIKOV, A.I.; GOROBINCHENKO, V.M., red.
 izd-va; GOLUBCHIK, R.M., red. izd-va; RYMOV, V.A., red. izd-va;
 DOBUZHINSKAYA, L.V., tekhn. red.

[Rolling; a handbook] Prokatnoe proizvodstvo; spravochnik. Pod
 red. E.S.Rokotiana. Moskva, Metallurgizdat. Vol.1. 1962. 743 p.

1. Akademiya nauk BSSR (for Gubkin). 2. Chlen-korrespondent Akademii
 nauk SSSR (for Smirnov, Tselikov).

(Rolling (Metalwor))--Handbooks, manuals, etc.)

S/124/61/000/009/042/058
D234/D303

AUTHORS: Pobedin, I.S. and Shchepnina, L.V.

TITLE: Cutting high strength metals on disc shears

PERIODICAL: Referativnyy zhurnal. Mekhanika, no. 9, 1961, 21, abstract 9 V170 (Tr. konferentsii: Tekhn. progress v tekhnol. prokatn. proiz-va, Sverdlovsk, Metallurg-izdat, 1960, 590-605)

TEXT: The authors give the results of experimentally investigating the process of strips of Ct.3 (St.3) and 1X18H9T (1Kh18N9T) steel and AIM (AIM) and Al6AM (D16AM) aluminum alloys 0.5 to 4 mm thick, with disc shears. It is established that the minimum cutting force corresponds to overlapping of blades within the limits 1-3 mm. Experimental graphs of variation of the force and cutting moment with the magnitude of blade overlapping for the materials tested, are obtained. It is determined that the cutting force has a minimum for lateral gap between the blades of 0.25 -

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Cutting high strength metals...

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D234/D303

0.75 mm. A design formula is offered to determine the cutting force of disc blades, bending of strips being taken into account. On the basis of the results of the tests it is recommended taking $R = (15 \sim 20)S$ for continuous cutting, and cutting of strips 10 - 30 mm thick with the problem along the roll train and $R = (25 \sim 30)S$ for cutting of separate strips less than 10 mm thick (S - thickness of the strip). In cutting of strips less than 0.5 mm thick the maximum radius of the blade is $R = (200 \sim 250)S$ and that for strips up to 1 mm thick $R = (100 \sim 150)S$. When the cutting speed is increased from 0.35 to 10 m/sec the cutting force and moment increase about 10 - 20% and the conditions of grip become worse. Influence of lubrication, angle of sharpening of the blades and blade wear on the cutting force and moment are investigated. [Abstracter's note: Complete translation]

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L 10417-67 EWT(d)/EWT(m)/EWP(v)/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) IJP(c)
 ACC NR: AP6029955 (A,N) JD/RW SOURCE CODE: UR/0413/66/00/015/0134/0135 26

INVENTORS: Nistrator, A. F.; Popov, A. K.; Gusev, L. S.; Rozanov, B. V.; Pobedin, I. S.

ORG: none

TITLE: An instrument for deep piercing of ingots. Class 49, No. 184592
 /announced by All-Union Scientific Research and Design-Construction Institute of
Metallurgical Machine Construction (Vsesoyuznyy nauchno-issledovatel'skiy i
proyektno-konstruktorskiy institut metallurgicheskogo mashinostroyeniya)

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 134-135

TOPIC TAGS: metallurgic machinery, metalworking machinery

ABSTRACT: This Author Certificate presents an instrument for deep piercing of
 ingots. The instrument includes a container, an immobile piercing needle, and a
 movable centering disk (see Fig. 1). To increase the accuracy of piercing, the
 container is made up of two parts, the immovable one (carrying the centering disk
 and the piercing needle) and the movable one (carrying the working plunger).

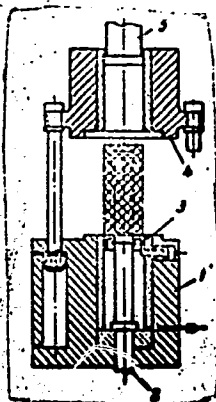
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UDC: 621.735.6.06

L 10417-67

ACC NR: AP6029955

Fig. 1. 1 - lower part of the container; 2 - piercing needle; 3 - centering disk; 4 - upper part of the container; 5 - working plunger



Orig. art. has: 1 figure.

SUB CODE: 13/ SUMM DATE: 08Feb64

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POBEDIN, I.S., kand.tekhn.nauk; PRIKHOD'KO, I.F., inzh.; REVUNOV, V.A., inzh.

Slippage of strips in the rolls. Stal' 22 no.3:246-248 Mr '62.
(MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metallurgicheskogo mashinostroyeniya.
(Rolling (Metalwork))

MOSHNIK, Yevgeniy Nikolayevich; POBEDIN, I.S., kandidat tekhnicheskikh nauk, retsentsent; GOL'MAN, L.D., kandidat tekhnicheskikh nauk, redakter; MEZHOVA, V.A., redakter; UVAROVA, A.F., tekhnicheskiy redakter.

[Bending and straightening machines] Gibechnye i pravil'nye mashiny. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1956. 251 p. (MLRA 9:5)
(Metal working machinery) (Rolling mills)

FILIPOV, Sergey Nikolayevich; POBEDIN, I.S., redaktor; VALOV, A.N.,
redaktor izdatel'stva; BERLOV, A.P., tekhnicheskii redaktor

[Longitudinal rolling of shaped steel] Prodol'naya prokatka periodi-
cheskikh profilei. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po
cherno i tsvetnoi metallurgii, 1956. 124 p. (MLRA 9:9)
(Rolling (Metalwork))

GELKI, Shander, [Geleji, Sander],.; POBEDIN, I.S., kand. tekhn. nauk,
[translator],.; MEYEROVICH, I.M., kand. tekhn. nauk, [translator],.;
ROKOTYAN, Ye.S., doktor tekhn. nauk, red.; BERLIN, Ye.H., red. izd-va.,;
ISLENT'YEVA, P.G., tekhn. red.

[Calculations of forces and power requirements for the plastic
deformation of metals] Raschet usilii i energii pri plasticheskei
deformatsii metallov. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry
po cherno i tsvetnoi metallurgii, 1958. 419 p. [Translated from
the Hungarian]. (MIRA 11:11)

(Metalwerk)

POBEDIN, I.S.

3

KHRAPOV, M.M., kandidat tekhnicheskikh nauk; KOROLEV, A.A., kandidat tekhnicheskikh nauk; POBEDIN, I.S., kandidat tekhnicheskikh nauk; PRIKHOD'KO, I.F., inzhener.

Experimental investigation of force parameters during the rolling of wide-flanged beam models. [Trudy] TSNIITMASH no.83:38-54 '56.
(MLRA 1959)

(Rolling mills--Testing) (Mechanics)

POBEDIN, I.S., kandidat tekhnicheskikh nauk; KHRAPOV, M.M., kandidat
tekhnicheskikh nauk.

Theoretical determination of moments in section rolling. [Trudy]
TSHIITMASH no.83:55-63 '56. (MLRA 10:9)
(Rolling (Metalwork)) (Mechanics)

SOV/124-58-3-3466

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 3, p 126 (USSR)

AUTHORS: Khrapov, M. M., Korolev, A. A., Pobedin, I. S. Prikhod'ko, I. F.

TITLE: Experimental Investigation of Force Parameters During the Rolling of Models of Wide-flanged Beams (Eksperimental'noye issledovaniye silovykh parametrov pri prokatke modeley shirokopolochnykh balok)

PERIODICAL: V sb.: Prokatn. stany. Nr 8, Moscow, Mashgiz, 1956, pp 38-54

ABSTRACT: Total and specific pressures as well as the torque required in the rolling of shaped products consisting of wide-flanged beams measuring 75x75 mm were measured on the laboratory mill TsKBMM-23 at the TsNIITMash (Central Scientific Research Institute of Technology and Machinery). Carbon pressure sensors were employed in the measurements. The results of the measurements are substantially at variance with calculated data (ref. V sb.: Prokatn. stany. Nr 8, Moscow, Mashgiz, 1956).

Card 1/1

K. N. Shevchenko

SOV/137-57-11-21284

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 94 (USSR)

AUTHORS: Pobedin, I.S., Khrapov, M.M.

TITLE: Theoretical Determination of Moments in the Rolling of Shapes
(Teoreticheskoye opredeleniye momentov pri prokatke fason-
nykh profiley)

PERIODICAL: V sb.: Prokatn. stany. Nr. 8, Moscow, Mashgiz, 1956,
pp 55-68

ABSTRACT: If the total pressure (P) of the metal (M) on the rolls (R) is transmitted via a number of cylindrical and tapered surfaces (S), it becomes impossible to determine rolling moments by the formula in general use. In this case, the total MP on the R is examined separately for each element of S of a complex pass, while the resultant P of each element of the S is broken down into its major components: Q, the resultant of normal MP on the RS passing through the R axis; F, the resultant of the tangential forces of M action on the R (the resultant of the forces of friction at work in the zone of forward slip and zone of lag). The total moment that must be transmitted to horizontal R is determined from the condition that the forces of

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SOV/137-57-11-21284

Theoretical Determination of Moments in the Rolling of Shapes

MP on cylindrical and tapered RS be directed along a normal to the RS and provide no additional moment. In this case, the expression for the total rolling moment will comprise only the moments due to forces of friction:

$$M_{roll} = 2 P_{neck} \mu R_1 + (P_{neck} + P_2 \tan \alpha) \mu_0 a_1 + (P_2 \mu / \cos \alpha) [(R_1^2 - 2 \rho_1^2 + r_1^2) / (R_1 - r_1)].$$

This equation serves to define the rolling moments of beams having high relative flange widths. The first term in the equation represents the sum of moments due to forces of friction in the neck mountings of horizontal R. The second term is the sum of moments due to forces of friction upon the cylindrical S of horizontal R, arising as a result of the fact that the metal of the beam web lags the R. The third member is the difference in the moments due to the forces of friction on the tapered S of horizontal R. Where high beams are involved (high web and small relative flange width), one may encounter conditions in practice in which $\rho_1 > R_1$. In this case there is a complete meshing of the external radius of the R with the metal of the beam web and complete slippage along the beam flange. The equation for total rolling moment in this case takes on the following form: $M_{roll} =$

$2(P_{neck} + P_2 \tan \alpha) \mu_0 a_1 + Q_1 R_1 - 2 P_2 \mu (R_1 + r_1) / 2$. The first term in this equation is the sum of the moments due to forces of friction in the neck mountings of the horizontal R. The second term is the sum of moments due to the forces of

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SOV/137-57-11-21284

Theoretical Determination of Moments in the Rolling of Shapes

engagement of the horizontal RS and the metal of the beam web. The third term is the sum of the moments due to the forces of friction on the tapered S of horizontal R arising due to the fact that the flange metal slips forward over the R.

B.Ye.

Card 3/3

SOV/124-58-3-3255

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 3, p 104 (USSR)

AUTHORS: Iroshnikov, A. N. , Pobedin, I. S. , Khrapov, M. M.

TITLE: Distribution of Specific Roll Pressures in the Roll-forming of Profiles of Various Shapes (Raspredeleniye udel'nykh davleniy pri prokatke fasonnykh profiley)

PERIODICAL: V sb.: Prokatn. stany. Nr 8, Moscow, Mashgiz, 1956, pp 87-106

ABSTRACT: In roll-forming profiles of various shapes, in this case wide-flange beams (H-beams), the metal is plastically deformed under very complex conditions, a fact which even with considerable simplifications makes the mathematical statement of the problem difficult. The authors have set themselves the task of obtaining at least an approximate solution by means of breaking down the problem and considering the web and the flanges separately. To satisfy the boundary conditions at the ends of the deformation zone, the authors introduce sustaining and elongating boundary stresses. Interaction between the flanges and the web is not taken into consideration.

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K. N. Shevchenko

POBEDIN, I.S.

CHERTAVSKIY, Aleksandr Kirillovich; CHERNOV, A.N., redaktor; KAMAYEVA, O.M., redaktor; BAZHENOV, M.F., inzhener, retsenzent; POBEDIN, I.S., kandidat tekhnicheskikh nauk, retsenzent; VAYNSHTAYN, Ye.S., tekhnicheskiiy redaktor

[Friction and lubrication in machining metals] Trenie i smazka pri obrabotke metallov. Izd. 2-e, dop. i perer. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po cherno i tsvetnoi metallurgii, 1955.
176 p. (MLRA 8:6)

(Metal working lubricants)

SOV/124-57-8-9441

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 8, p 124 (USSR)

AUTHORS: Pobedin, I. S. Khrapov, M. M.

TITLE: Theoretical Determination of Moments in the Rolling of Odd-shaped Sections (Teoreticheskoye opredeleniye momentov pri prokatke fasonnykh profiley)

PERIODICAL: V sb.: Prokatn. stany. Nr 8. Moscow, Mashgiz, 1956, pp 55-68

ABSTRACT: Bibliographic entry

Card 1/1

SOV/124-57-8-9685

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 8, p 151 (USSR)

AUTHORS: Pobedin, I. S., Bayrakov, V. I., Drozd, V. G.

TITLE: Investigation of Continuous Cold Rolling of a Slender Wire Rod on a Model-TsKBMM-17 12-stand Mill (Issledovaniye nepreryvnoy kholodnoy prokatki tonkoy provoloki na 12-klet'yevom stane TsKBMM-17)

PERIODICAL: V sb.: Prokatn. stany. Nr 8. Moscow, Mashgiz, 1956, pp 107-117

ABSTRACT: Bibliographic entry

Card 1/1

POBEDIN, I. S.

POBEDIN, I. S., kandidat tekhnicheskikh nauk; POBEDIN, I. S., kandidat
tekhnicheskikh nauk; KHRAPOV, M. M., kandidat tekhnicheskikh nauk.

Distribution of specific pressure in rolling shaped sections.
[Trudy] TSNIITMASH no.83:87-106 '56. (MLRA 10:2)
(Rolling (Metalwork)) (Mechanics)

POBEDIN, I.S., kandidat tekhnicheskikh nauk; BAYRAKOV, V.I., inzhener;
DROZD, V.G., inzhener.

Investigating continuous cold rolling of thin wire on a TSZBM-17
12-stand mill. [Trudy] TSNIITMASH no.83:107-117 '56. (MLRA 10:9)
(Rolling (Metalwork)) (Wire) (Steel--Cold working)

TRET'YAKOV, Andrey Vladimirovich; POBEDIN, I.S., kand. tekhn. nauk,
retsenzent; LEDNEV, Mikhail Petrovich, red.; SERCHINA, N.M.,
red. izd-va; MAL'KOVA, N.T., tekhn. red.

[Cold-rolling mill potentialities] Rezervy stanov kholodnoi pro-
katki. Sverdlovsk, Metallurgizdat, 1962. 197 p.

(MIRA 15:9)

(Rolling mills)

POBEDIN, I. S.

"Transverse Rolling in Spiral Grooves." Sub 18 Jun 51, Central Sci Res Inst of
Technology and Machine Building (TsNIITMash)

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

POBEDIN, I. S., IROSHNIKOV, A. N., KHRAPOV, M. M, Candidates of Tech. Sciences.

"Pressure Distribution in Rolling of Structural Shapes," Rolling Mills;
Studies, Calculation, Design and Operation, No. 6, Moscow, Mashiniz,
1956, 258 p.

POBEDIN, I. S., Khrapov, M. M., Korolev, A., (Candidates of Tech. Sciences); Prikhod'ko, I. F., (Engr.).

"Experimental Investigation of Forces Developed During Wide-Flange Shape Rolling, Rolling Mills; Studies, Calculation, Design and Operation, No. 8, Moscow, Mashgiz, 1956. 258 p.

POBEDIN, I. S., Khrapov, M. M. (Cand. of Tech. Sciences)

"Theoretical Determination of Moments Developed During Rolling of Structural Shapes," Rolling Mills; Studies, Calculation, Design and Operation, No. 8, Moscow, Mashgiz, 1956. 258 p. p. 55

Articles by Turkin, D.S.; Pobedin, I.S.; Khrapov, M. M.; Korolev, A.A. and Baranov, N. M. elaborate on some basic technological problems in rolling and on the determination of basic characteristics in rolling wide-flange shapes in experimental rolling mills. These problems are of timely interest in connection with the construction by the UZTM of mills for rolling wide-flange shapes (up to 1000 mm).

POBEDIN, I. S., Cand. Tech. Sciences; Bayrakov, V. I., Engr., Drozd, V. G., Engr.

"Analysis of Continuous Cold-Rolling of Thin-Wire on a TskBM-17 12-Stand Rolling Mill," Rolling Mills; Studies, Calculation, Design and Operation, No. 8, Moscow, Mashgiz, 1956. 258 p (p. 107)

Articles by Pobedin, I.S.; Bayrakov, V. I., and Drozd, V.G., describe a new 12-stand continuous cold-rolling mill for thin wire (to 1.8 mm diameter). Results of the application of this new process are also given.

Pobedin, I.S.

130-58-2-17/21

AUTHORS: Pobedin, I.S., Bayrakov, V.I., Uglov, M.G. and Drozd, V.G.

TITLE: Production of Thin Wire by Cold-rolling (Proizvodstvo tonkoy provoloki kholodnoy prokatkoy)

PERIODICAL: Metallurg, 1958, Nr 2, pp 32 - 34 (USSR)

ABSTRACT: Production of wire by drawing has a lower productivity than rolling, especially for special steels. In 1951, TsKBMM TsNIITMASH designed and made a 12-stand mill for the continuous rolling of thin, special-steel wire in an attempt to replace drawing. The mill (Fig.1) is intended for cold-rolling 6-8 mm diameter coiled rod into 1.5 - 2 mm diameter wire in 36 passes or hot-rolling 10-15 or 12-18 mm diameter rod into 6-8 mm diameter coiled rod. The authors give details of this mill and of various systems of roll-pass design which have been tried. The system finally adopted (Fig.2) was studied when rolling type Kh15N60 alloy (Table 1) and showed no regularity in the distribution of forces acting on the rolls. It was found that metal adhesion was taking place in some passes and cast-iron inserts were provided there. The rolling speed for this type of alloy was 20-25% greater than drawing and the authors consider that these preliminary experiments are promising as regards higher rolling speeds. There are 2 figures and 1 table.

Card1/1 AVAILABLE: Library of Congress

1. Rolling mills-Applications 2. Wire-Production

POBEDIN, I.S., kand. tekhn. nauk; PRIKHOD'KO, I.F., inzh.; STEFANOVICH, V.L.,
inzh.

Universal flying shears. Vest. mash. 38 no.1:42-47 Ja '58.

(MIRA 11:1)

1. Tsentral'noye konstruktorskoye byuro Ministerstva mashinostro-
eniya i Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii
i mashinostroyeniya.

(Shears (Machine tools))

Popredn, I.S.
SMIRNOV, V.S., prof., doktor tekhn.nauk; ANISIFOROV, V.P.; VASIL'CHIKOV, M.V.;
GRANOVSKIY, S.P.; KAZANSKAYA, I.I.; KUZ'MIN, A.D.; MEKHOV, N.V.;
POBEDIN, I.S.; TSELIKOV, A.I., red.; KAMENEV, P.V., kand.tekhn.nauk,
red.; LEYKINA, T.L., red.izd-va; SOKOLOVA, L.V., tekhn.red.

[Transverse rolling in machinery manufacturing] Poperechnaia prokatka
v mashinostroenii. Pod obshchei red. A.I.Tselikova i V.S.Smirnova.
Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1957. 375 p.
(Rolling (Metalwork)) (MIRA 11:2)

POBEDIN, I.S., inzhener, retsenzents; SHASKOL'SKIY, B.V., redaktor;
MODEL', B.I., tekhnicheskii redaktor.

[Handbook on crank press specification sheets] Rukovodstvo po
pasportizatsii krivoshipnykh pressov. Moskva, Gos. nauchno-tekhn.
izd-vo mashinostroit. lit-ry, 1951. 61 p. (MIRA 8:2)

1. Russia (1923- U.S.S.R.) Ministerstvo stankostroeniia. Nauch-
no-issledovatel'skoe biuro tekhnicheskikh normativov.
(Power presses)

POREDIN, I. S.

(40)

PHASE I BOOK EXPLOITATION

SOV/6044

Rokotyan, Ye. S., Doctor of Technical Sciences, Ed.

Prokatnoye proizvodstvo; spravochnik (Rolling Industry; Handbook)
v. 2. Moscow, Metallurgizdat, 1962. 685 p. 8500 copies
printed.

Authors: P. A. Aleksandrov, Doctor of Technical Sciences;
V. P. Anisiforov, Candidate of Technical Sciences; V. I. Bayrakov,
Candidate of Technical Sciences; M. V. Barbarich, Candidate
of Technical Sciences; B. P. Bakhtinov, Candidate of Technical
Sciences [deceased]; B. A. Bryukhanenko, Candidate of Economic
Sciences; M. V. Vasil'chikov, Candidate of Technical Sciences;
A. I. Vitkin, Doctor of Technical Sciences; S. P. Granovskiy,
Candidate of Technical Sciences; P. I. Grudev, Candidate of
Technical Sciences; I. V. Gunin, Engineer; M. Ya. Dzugutov,
Candidate of Technical Sciences; V. G. Drozd, Candidate of
Technical Sciences; N. P. Yermolayev, Engineer; G. M. Katsnel'son,
Candidate of Technical Sciences; M. V. Kovynev, Engineer;
M. Ye. Kugayenko, Engineer; N. V. Litovchenko, Candidate of
Technical Sciences; Yu. M. Matveyev, Candidate of Technical
Sciences.

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SOV/6044

Rolling Industry; Handbook

Sciences; V. I. Meleshko, Candidate of Technical Sciences;
N. V. Mekinov, Engineer; A. K. Ninburg, Candidate of Tech-
nical Sciences; V. D. Nosov, Engineer; B. I. Panchenko,
Engineer; O. A. Flyatskovskiy, Candidate of Technical
Sciences; I. S. Pobedin, Candidate of Technical Sciences;
I. A. Priymak, Professor, Doctor of Technical Sciences
[deceased]; A. A. Protasov, Engineer; M. H. Saf'yan,
Candidate of Technical Sciences; N. M. Fedosov, Professor;
S. N. Filipov, Engineer [deceased]; I. N. Filippov, Can-
didate of Technical Sciences; I. A. Fomichev, Doctor of
Technical Sciences; M. Yu. Shifrin, Candidate of Technical
Sciences; E. R. Shor, Candidate of Technical Sciences;
M. M. Shternov, Candidate of Technical Sciences; M. V.
Shuralev, Engineer; I. A. Yukhvets, Candidate of Technical
Sciences; Eds. of Publishing House: V. M. Gorobinchenko,
R. M. Golubchik, and V. A. Rymov; Tech. Ed.: L. V. Dobuzhinskaya.

PURPOSE: This handbook is intended for engineering personnel of
metallurgical and machine-building plants, scientific research
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Rolling Industry; Handbook

SOV/6044

institutes, and planning and design organizations. It may also be used by students at schools of higher education.

COVERAGE: Volume 2 of the handbook reviews problems connected with the preparation of metal for rolling, the quality and quality control of rolled products, and designs of roll passes in merchant mills. The following topics are discussed: processes of manufacturing semifinished and finished rolled products (the rolling of blooms, billets, shapes, beams, rails, strips, wire, plates, sheets, and the drawing of steel wire), hot-dipped tin plates, lacquered plates, floor plates, tubes made by different methods, and special types of rolled products. Problems of the organization of rolling operations are reviewed, and types of rolled products manufactured in the USSR are shown. No personalities are mentioned. There are no references.

TABLE OF CONTENTS: [Abridged]:

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Rolling Industry; Handbook

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Part VII. Rolling of Semifinished
Products and Shapes

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Ch. 37. Rolling of Semifinished Products (P. A. Aleksandrov,
I. V. Gunin, and I. N. Filippov)

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Ch. 38. Rolling of Structural Shapes and Merchant Bars
(N. M. Fedosov)

162

Ch. 39. Technology and Equipment Used in Rolling Rails
and Beams (I. S. Pobedin, And V. G. Drozd)

187

Ch. 40. Rolling of Alloy Steels (M. V. Shuralev)

203

1. Initial materials

203

2. Making finished rolled products

204

3. Special features of processing and treating
alloy steels

207

4. Heating alloy and high-alloy steels

207

5. Heat treatment and cooling of rolled products

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Card 5/14

POBEDIN, I.S.; TRET'HAKOV, A.V.; SHCHEPNINA, L.V.; REVUNOV, V.A.

Investigating the operation of rotary slitting shears.
Prokat. proizvod. no.2:30-43 '60. (MIRA 14:11)
(Rolling mills—Equipment and supplies)
(Shears(Machine tools))

ACC NR. AP6032530

SOURCE CODE: UR/0413/66/000/017/0131/0131

INVENTOR: Gusev, L. S.; Zimin, Yu. A.; Nistratov, A. F.; ~~Pobedin, I. S.~~
Popov, A. K.; Rozanov, B. V.; Tokarskiy, A. P.; Kholin, Yu. T.; Tulyankin, P. V.;
Shcheglov, V. F.; Yanovski, V. A.

ORG: none

TITLE: Drive of a high-speed counterblow hammer. Class 49, No. 185669 [announced
by the All-Union Scientific Research Institute for the Planning and Design of
Metallurgical Machinery (Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-
konstruktorskiy institut metallurgicheskogo mashinostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 17, 1966, 131

TOPIC TAGS: metal forming machine tool, forging machinery, metal press

ABSTRACT: This Author Certificate introduces a drive of a high-speed counterblow
hammer, which includes a high-pressure cylinder and a piston with a sliding sealing
bushing. To improve the operational characteristics and efficiency of the hammer,
the bushing, placed in a lower part of the cylinder, has a circular groove inside,
into which oil is pumped under pressure equal to that of the gas in the cylinder,
thus forming a layer which serves the dual purpose of sealing and lubrication. Orig.
art. has: 1 figure.

SUB CODE: 11, 13/ SUBM DATE: 22May64/
Card 1/1

UDC: 621.974.4-82

ACC NR: AP6032534

SOURCE CODE: UR/0413/66/000/017/0141/0141

INVENTOR: Tselikov, A. I.; Rozanov, B. V.; Nistratov, A. F.; Gol'man, L. D.; Maksimov, L. Yu.; ~~Pobedin, I. S.~~; Fridman, A. Z.; Kitain, R. S.; Kurovich, A. N.; Nadtochenko, A. F.; Kaganovskiy, F. I.; Kozhevnikov, V. F.; Zonenko, V. V.

ORG: none

TITLE: Hydraulic press reinforced with wire wrapping. Class 58, No. 185696 [announced by the All-Union Scientific Research Institute for the Planning and Design of Metallurgical Machinery (Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-konstruktor'skiy institut metallurgicheskogo mashinostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obraztzy, tovarnyye znaki, no. 17, 1966, 141

TOPIC TAGS: hydraulic press, reinforced hydraulic press, **METAL PRESS**, **HYDRAULIC EQUIPMENT**
 ABSTRACT: This Author Certificate introduces a hydraulic press reinforced (see Fig. 1) with wire wrapping. The press includes a cylinder, housing consisting of upper and lower crossmembers and columns with a concave oval-shaped outside surface which makes it possible to wind a reinforcing band or wire around the housing. To improve the technical and economic characteristics and the reliability of the press at the same main parameters, the housing is provided with stiffening ribs located

UDC: 621.226

Cord 1/2

ACC NR: AP6032534

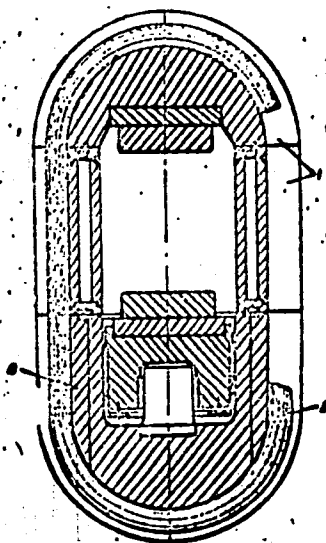


Fig. 1. Hydraulic press reinforced with wire wrapping

- 1 - Stiffening ribs; 2 - wrapping;
3 - lower crossmember.

between the wrapping, and the lower crossmember of the press is laminated and serves as a hydraulic cylinder. Orig. art. has 1 figure.

SUB CODE: SUBM DATE: 20Aug64/

Card 2/2

POBEDIN, Ivan Sergeyevich; DROZD, Vladimir Grigor'yevich. Prinimali
uchastiye: FEDIN, V.P., inzh.; KALININ, V.P., kand. tekhn. nauk;
ASTAKHOV, I.G., red.; BRINZA, V.N., red.izd-va; ISLENT'YEVA, P.G.,
tekhn. red.

[Production of merchant shapes] Proizvodstvo sortovoi stali. Mo-
skva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metal-
lurgii, 1962. 248 p. (MIRA 15:1)
(Rolling (Metalwork))

LUGININ, N.G., kand.tekhn.nauk; PODSHIVALOV. A.B., inzh.; POBEDIN, M.V., inzh.

Problems of the organization of locomotive repair in repair plants.
Trudy TSNII MPS no.288:4-59 '65. (MIRA 18:10)

POBEDIN, V. F.

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661.3
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Novaya tekhnika nastantsiyakh (New Technique at Stations, By) H. I.
Vertinskiy i V. F. Pobedin. Moskva, Transzhellorizdat, 1952.

215 p. illus., diagrs., tables.

"Literatura": p. 214

USSR / Farm Animals. Wild Animals.

Q-4

Abs Jour : Ref Zhur- Biol., No 10, 1958, No 45268

Author : Perel'dik, N. Sh.; Titova, M. I.; Pobedin, V. I.

Inst : Not given

Title : The Utilization of the Soybean Oil Meal as a Feed for Silver-Black Foxes.

Orig Pub : Karakulevodstvo i zverovodstvo, 1957, No. 2, 22-26

Abstract : The possibility of substituting 40% of meat by soybean oil meal in the rations fed to silver-black foxes during the summer-fall period was established. In winter and during the two-month period preceding the oestrus, as well as during pregnancy, 20% of meat can be substituted. In the case of the growing foxes, the substitution may amount to 67%. According to the author's data, when the silver-black foxes are fed an increased amount of soybean oil meal, a higher level of nutrition must be maintained than when the foxes are fed animal feeds, and the rations should be enriched by all the required vitamins.

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YELINSON, S.V.; POBEDINA, L.I.

Complexometric determination of titanium in alloys. Zav.lab. 29
no.2:139-142 '63. (MIRA 16:5)
(Titanium--Analysis) (Titanium alloys)

YELINSON, S.V.; POBEDINA, L.I.

New photometric methods for the determination of niobium and tantalum in metals and alloys. Report No.2: Photometric determination of niobium with xylenol orange. Zhur.anal.khim. 18 no. 6:734-738 Je '63. (MIRA 16:9)
(Niobium—Analysis) (Xylenol orange)

YEMINSON, S.V.; POBEDINA, L.I.; KEDOVA, A.I.

Spectrophotometric determination of niobium in steels by
pyridyl azoresorcinol. Sav. lab. 31 no. 12:1434-1437 '65
(MIRA 19:1)

S/075/63/018/002/005/009
E195/E436

AUTHORS: Yelinson, S.V., Pobedina, L.I.
TITLE: New photometric methods for the determination of niobium and tantalum in metals and alloys
Communication I. Photometric determination of niobium with the aid of 1(2-pyridylazo)-resorcinol

PERIODICAL: Zhurnal analiticheskoy khimii, v.18, no.2, 1963, 189-195

TEXT: The use of new reagents for the determination of Ni was investigated because of limitations in the use of methods known at present. Niobium with hydrogen peroxide and 1-(2-pyridylazo)-resorcinol (PAR) forms at pH 5 a crimson complex, which has an absorption maximum at 590 mμ, pure PAR having this maximum at 420 mμ. It was established by the method of isomolar series (at a general molar concentration of 2×10^{-5} mol/litre) that Ni reacts with PAR in the presence of H₂O₂ at pH 5 at the molar ratio 1:1. The equilibrium constant of the reaction and the molar extinction coefficient of the complex were determined by the Komar'-Tolmachev method as 5.52 and 32260 respectively.
Card 1/2

New photometric methods ...

S/075/63/018/002/005/009
E195/E436

The effect of H_2O_2 , complexone III and other masking substances on the optical density D of the complex was also studied. It was found that D decreases proportionally with the increase of complexone III concentration in the solution. A photometric method was developed for the determination of Ni in zirconium- and titanium-based alloys. The sensitivity of the method is 5 μg in 50 ml of solution. The accuracy of the method at the niobium concentration of 0.1 to 1% in the alloy is characterized by the mean square error 2 to 4%. There are 7 figures and 3 tables.

SUBMITTED: May 29, 1962

Card 2/2

POBEDINA, Mariya Pavlovna; TSYBUL'SKIY, Vladimir Vasil'yevich;
SHIBANOVA, A.A., red.; PASHCHENKO, O.V., red. kart;
KOVALENKO, V.L., tekhn. red.

[Afghanistan, Iran, Turkey; economic and geographical survey]
Afganistan, Iran, Turtsiia; ekonomiko-geograficheskii obzor.
Posobie dlia uchitel'ia. Moskva, Uchpedgiz, 1961. 199 p.
(MIRA 15:5)

(Afghanistan--Economic geography)

(Iran--Economic geography)

(Turkey--Economic geography)

POBEDINA, V.M.

Fossil otoliths of fishes from Miocene deposits in Azerbaijan and their significance for stratigraphy. Izv. AN Azerb. SSR no.10:23-37 0 '54.

(MLRA 8:11)

(Azerbaijan--Geology, Stratigraphic) (Otoliths)

POBEDINA, V.M.; VOROSHILOVA, A.G.; RYBINA, O.I.

Stratigraphy of Miocene deposits of Kobyistan. Izv. AN Azerb. SSR
no.7:67-77 J1 '55. (MLRA 9:1)
(Kobyistan--Geology, Stratigraphic)

15-57-12-16804
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 12,
p 17 (USSR)

AUTHORS: Pobedina, V. M., Voroshilova, A. G., Arakelova, N. A.

TITLE: The Stratigraphy of the Oligocene-Miocene Deposits of
the Caspian Region (K stratigrafii oligotsen-miotsen-
ovyykh otlozheniy Prikaspiyskogo rayona)

PERIODICAL: Tr. Azerb. n.-i. in-ta po dobyche nefiti, 1956, Nr 4,
pp 86-95

ABSTRACT: The Oligocene-Miocene deposits of the Caspian region
include beds ranging from the Maykop series to the
Meotian. The Oligocene is divided into the Khadum
horizon with Planorbella and the lower Maykop, car-
bonatic clays with layers of sand and non-carbonatic
clays. The upper Maykop beds (predominantly non-
carbonatic clays) belong to the Miocene. The middle
Miocene is divided into the Tarkhan horizon,

Card 1/2

15-57-12-16804

The Stratigraphy of the Oligocene-Miocene Deposits (Cont.)

calcareous clays with globigerina and miliolids; the Chokrak horizon, sandy clays with layers of sands, containing spirialid pteropods and foraminifers; the Karagan horizon, clays with layers of sand and marl, containing numerous spaniodontellids and otolithic fish); and the Konka horizon, calcareous clays with a rather variable foraminiferal content. The Sarmatian series contains three horizons in all. The lower Sarmatian contains two facies: deep-water clays on the northeast and littoral sands on the southwest. A variety of molluscs and foraminifers is found in this horizon. The middle Sarmatian is divided into two parts. The lower consists of deep-water clay (Cryptomactra) beds with miliolids; the upper contains shallow-water sandstones with molluscs and nonionids. The upper Sarmatian contains a lower clay unit (the Rostov horizon) and an upper littoral shallow-water unit, consisting of limestones, sandstones, and conglomerates (the Kherson horizon). The Meotian series, composed of clays with otolithic fish and diatoms, has been identified only at Sovetabad.

Card 2/2

V. A. Krasheninnikov

~~KULIKOV, V. I.~~ POBEDINA, V. M.

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Azerbaydzhanskiy nauchno-issledovatel'skiy institut po dobyche nefti.

Voprosy geologii, geofiziki i geokhimii (Problems in Geology, Geophysics and Geochemistry) Baku, Aznefteizdat, 1956. 346p.
665 copies. (Its: Trudy, vyp. 4)

Ed. council: Abdullayev, M. A., Candidate of Tech. Sciences (Chairman), Akhmedov, G. A., Dr. of Geological and Mineralogical Sciences; Daidbekova, E. A., Candidate of Geological and Mineralogical Sciences; Kulikov, V. I., Dr. of Geological and Mineralogical Sciences; ~~Mayshak~~, V. T., Candidate of Geological and Mineralogical Sciences; Pobedina, V. M., Candidate of Geological and Mineralogical Sciences; Subbotin, M.A., Mining engineer; Tereshko, D.L., Candidate of Tech. Sciences, Shapirovskiy, N.I., Candidate of Tech. Sciences.

PURPOSE: This book contains the results of research on stratigraphic, lithological and geophysical (including geochemical) problems, conducted by the Azerbaydzhan Research Institute in 1954-55. The book is recommended for use by engineering-technical personnel of oil trusts

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Problems in Geology, Geophysics and Geochemistry (Cont.)

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engaged in geological and geophysical exploration, as well as university students and personnel of scientific research institutes doing research in the field of petroleum.

COVERAGE:

The 4th volume of the Trudy (Transactions) of the Azerbaydzhan Scientific Research Institute of Oil Production includes articles on new findings in the micro-fauna of Miocene and Cretaceous beds of Eastern Azerbaydzhan, and, published for the first time, the original findings on spore-pollen analysis of Barremian beds. In Part II, the new litho-facies study of separate stratigraphic units of the Tertiary complex is presented. New ways in research are revealed, which are based on thermal, roentgenological and staining methods in the classification and correlation of geological cross-sections. The results of reservoir studies for some oil pools of the Pliocene period in the Azerbaydzhan SSR are submitted. The geophysical part, dedicated to interpretation and findings, contains articles on new electrokinetic seismographs, published

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Problems in Geology, Geophysics and Geochemistry (Cont.)

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for the first time, and on new equipment for controlling and testing seismic apparatus under field conditions. The successful application of dipole exploratory sounding in the study of offshore areas is discussed. Articles on problems of waterbearing oil beds and the presence of minor elements, and studies in the composition of bitumens conclude the book. There are 42 tables, 71 figures and 143 references, of which 126 are Soviet.

TABLE OF CONTENTS:

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Foreward

Part I. Paleontology

Pobedina, V. M. - Microfauna of the Tarkhan and Chokrak
Horizons of Azerbaydzhan and its Origin 7
Tairov, Ch.A. - New Types and Sub-types of Genus
Gaudryina From Lower Cretaceous Sediments in North-
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DAIDBEKOVA, E.A.; POBEDINA, V.M.; GORSHENIN, T.A.

Presence of *Serpula*-formed limestone in Masotian deposits of
northwestern Kobystan. Azerb.neft.khoz. 35 no.7:6-7 J1 '56.
(Kobystan--Geology, Stratigraphic) (MLRA 9:12)
(Limestone)

POBEDINA, V. M.

Fossil Otolites of Fishes in Miocene Deposits of Azerbaydzhan and Their Stratigraphic Significance

The author describes and represents 14 species of otoliths of fishes from the Miocene of Azerbaydzhan, of which 10 are new species. For four of the new species he gives pictures without description. For six of the new species he does not establish the genus (*Otolithus incerta sedis*). In the author's opinion, the described otoliths are characteristic forms for various horizons of the Miocene from Tarkhan to Sarmat. (RZhGeol, No. 6, 1955) Izv. AN Az SSR, No. 10, 1954, 23-37 (Azerbaydzhani resume)

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

POBEDINA, V.M.

Tarkhan and Chokrak microfauna in Azerbaijan and some data on
its genesis. Trudy AzNTI DN no.4:7-19 '56. (MIRA 14:4)
(Azerbaijan—Micropaleontology)

POBEDINA, V.M.; VOROSHILOVA, A.G.; ARAKELOVA, N.A.

Oligocene-Miocene stratigraphy of the Caspian Sea region. Trudy
AzNII DN no.4:86-95 '56. (MIRA 14:4)
(Caspian Sea region—Geology, Stratigraphic)

Handbook on the microfauna of the Middle and Upper Miocene deposits in Azerbaijan
POBEDINA, Valentina Mikhaylovna; VOROSHILOVA, Anastasiya Grigor'yevna;
RYBINA, Il'ga Ivanovna; KUZNETSOVA, Zoya Vasil'yevna; ALIZADE, K.A.,
prof., doktor geol.-mineral.nauk, red.; GONCHAROV, I.A., red.isd-va.

[Handbook on the microfauna of the Middle and Upper Miocene
deposits in Azerbaijan] Spravochnik po mikrofaune sredne- i
verkhnemiotseenovykh otlozhenii Azerbaidzhana. Baku, Azerbaidzhan-
skoe gos.isd-vo nefi.i nauchno-tekhn.lit-ry, 1956. 188 p.

(MIRA 11:1)

(Azerbaijan--Paleontology)

LYSENKO, V.G., kand. ist. nauk; EPSHTEYN, A.I., kand. ist. nauk;
CHIRKOV, N.P., kand. ist. nauk; KIYAN, Ye.A., kand. ist.
nauk; PLUGATAREV, P.G., kand. ist. nauk; POBEDINA, Ye.M.,
kand. ist. nauk; DRONOVA, A.I., kand. ist. nauk; BLOKH,
B.A., kand. ist. nauk; VORONINA, V.M., red.; LIMANOVA,
M.I., tekhn. red.

[Outline history of the Kharkov Tractor Plant, 1931-1961]
Ocherk istorii Khar'kovskogo traktornogo zavoda im. Ordo-
nikidze, 1931-1961. Khar'kov, Khar'kovskoe knizhnoe izd-
vo, 1962. 296 p. (MIRA 16:6)
(Kharkov--Tractor industry)

POBEDINSCHI, A.

"Changes in forest growing conditions under the influence of tractor utilization."
Tr. from the Russian. p. 29. (ANALELE ROMANO-SOVIETICEI, SERIA SILVICULTURA-
INDUSTRIA LEMNULUI SI A MARTIEI, Vol. 7, seria a II-a, no. 14, July/Aug. 1952.
Bucuresti.)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress
August, 1953, Uncl.

[illegible]

POBEDINSKAYA, A. V., TITOV, A. A., and VARSHAVER, B. G.

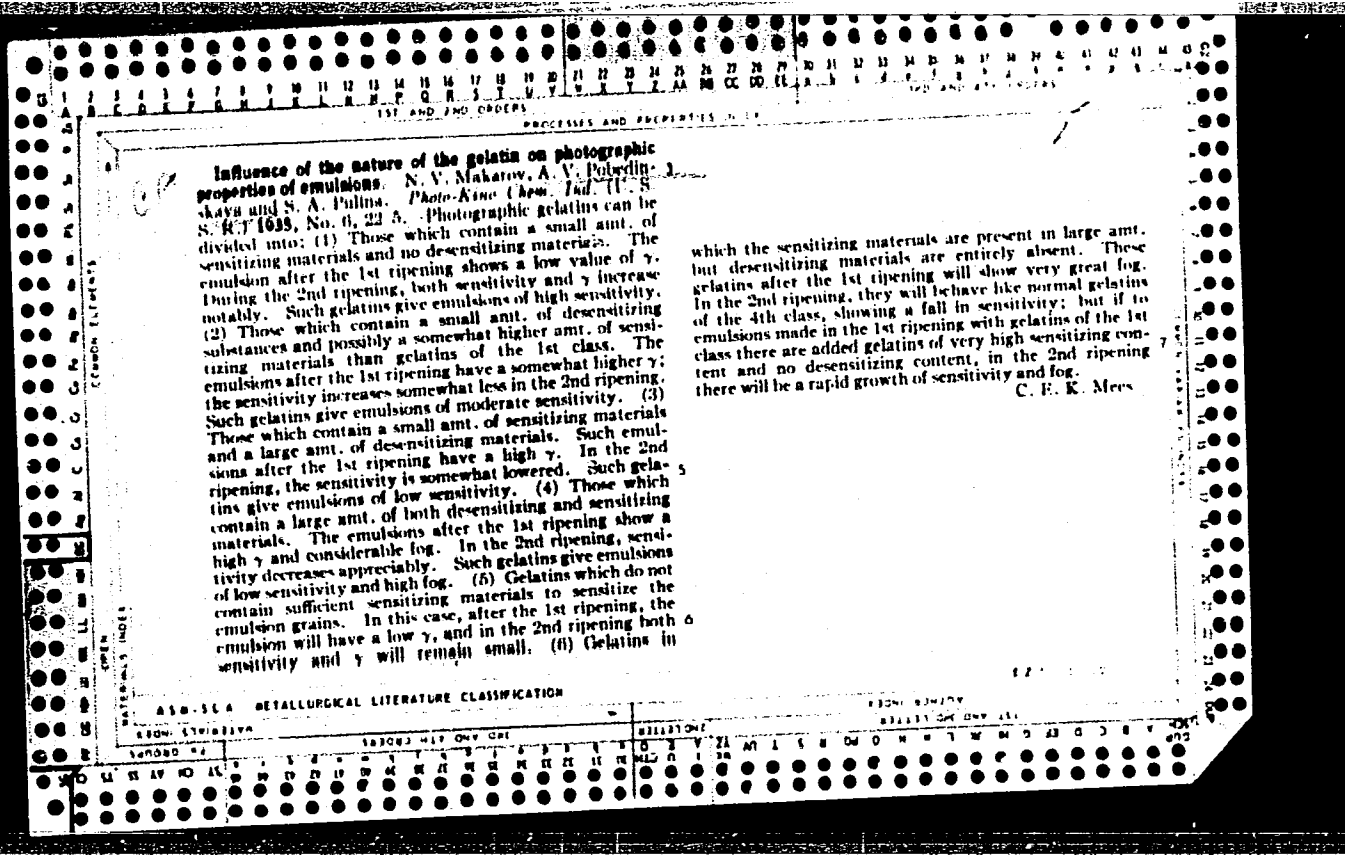
"On the Formation and the Role of the Active Centers in the Photographic Process," paper given at the International Conference on Scientific Photography, Cologne, 24-27 Sep 1956

E-3,068,138

POBEDINSKAYA, A. V., VARSHAVER, B. G., and TITOV, A. A.

"On the Formation and the Role of the Active Centers in the Photographic Process." a paper given at the International Conference on Scientific Photography, Cologne, 24-27 Sep 1956

E-3072367



Pobedinskaya, L. B.

KRASTOSHEVSKIY, L.S.; DANCHICH, V.V.; AVDIYENKO, T.G.; ARKHANGEL'SKIY, A.F.;
GAK, A.M.; YEFIFANTSEV, Yu.P.; ZELINSKIY, V.M.; IVANOV, P.S.; IVASHCHENKO,
P.R.; KALININA, M.D.; KRAVCHENKO, A.G.; KOTLYAROVA, A.Y.; KREGLYAKOVA,
M.D.; LEVIKOV, I.I.; LIBKIND, R.I.; NIKOLAYEVA, N.A.; NAUMENKO, V.F.;
PRESEMAN, I.B.; PRISYAZHNIKOV, V.S.; POBEDINSKAYA, L.P.; POKALYUKOV,
S.N.; POPOV, A.A.; SOLOMENTSEV, M.N.; TARASOV, I.V.; FILONENKO, A.S.;
SHISHOV, Ye.L.; SHRAYMAN, L.I.; YAKUSHIN, N.P.; ZVORYKINA, L.N., red.
isd-va; LOMILINA, L.N., tekhn.red.

[Horizontal mining in foreign countries] Provedenie gorizontal'nykh
vyrabotok za rubezhom. Moskva, Ugletekhizdat, 1958. 342 p. (MIRA 12:4)

1. Kharkov. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii
i mekhanizatsii shakhtnogo stroitel'stva.
(Mining engineering)

POBEDINSKAYA, N. V.

Second Moscow State Medical Inst imeni I. V. Stalin.

POBEDINSKAYA, N. V.- "The temperature of various portions of the skin as an indicator of disturbances to blood circulation in children." Second Moscow State Inst imeni I. V. Stalin. Moscow, 1956.

(Dissertation for the Degree of Candidate in Medical Sciences)

SO: Knizhnaya Letopis', No. 20, 1956

POBEDINSKAYA, V.M. [Pobedins'ka, V.M.]

Treatment of rheumatic heart diseases and chronic acute tonsillitis
with iron glycerophosphate. Ped., akush. i gin. 22 no.6:31 '60.
(MIRA 14:10)

1. Poliklinika VVS (načhal'nik - V.V.Puzits'kiy) m. Moskva.
(GLYCEROPHOSPHATES) (TONSILS--DISEASES)
(RHEUMATIC HEART DISEASE)

POBEDIMSKIY, Aleksandr Alekseyevich; GAKEL', Val'ter Aleksandrovich;
FEDOROV, V.P., red.; PANKRATOV, A.I., tekhn. red.

[Maintenance and repair of cotton spinning machines] Remont
machin khlopkopriadil'nogo proizvodstva. Ivanovo, Ivanovskoe
knizhnoe izd-vo, 1963. 166 p. (MIRA 16:10)
(Spinning machinery--Maintenance and repair)

POBEDIMSKIY, G. R., Cand. Chem. Sci. "Study of Conditions for Electrodeposition of Some Alloys of Nickel and Cobalt by Method of Radioactive Indicators." Kazan, 1961, 19 pp (Kazan' State Univ.) 150 copies (KL Supp 12-61, 256).

KOCHERGIN, S.M.; POBEDIMSKIY, G.R.

Studying the conditions of electrodeposition of a titanium-cobalt alloy, with the use of the radioisotope cobalt-60. Zhur. prikl.khim. 33 no.1:238-240 Ja '60. (MIRA 13:5)

(Titanium-Cobalt alloy)

(Electroplating)

(Cobalt--Isotopes)

STERLIN, Yefim Abramovich; POBEDIMSKIY, G.V., retsenzent; CHERTKOV, L.Ya.,
retsenzent; ZAMAKHOVSKIY, L.I., spets.red.; KOPELEVICH, Ye.I.,
red.; SHAPENKOVA, T.A., tekhn. red.

[Establishment of production norms in cotton spinning] Tekhnicheskoe
normirovanie v khlopkopriadenii. Moskva, Izd-vo nauchno-tekhn.lit-ry
RSFSR, 1961. 257 p. (MIRA 14:12)
(Cotton manufacture—Production standards)

POBEDIN, I.S., kand.tekhn.nauk; TRBT'YAKOV, A.V., kand.tekhn.nauk;
SECHERNINA, L.V., inzh.; REVUNOV, V.A., inzh.

Performance of disk shears. Metallurg 5 no.6:30-31
Je '60. (MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metalloobrabotki
i mashinostroyeniya.

(Pipe mills--Equipment and supplies)
(Shears (Machine tools))

POBEDIN, L.S.

GUKEVICH, Azriyel' Yefimovich; ROKOTYAN, Yevgeniy Sengeyevich; AFANAS'YEV, V.D., redaktor; POBEDIN, L.S., redaktor; GORDON, L.M., redaktor izdatel'stva; BERLOV, A.P., tekhnicheskii redaktor.

[Methods for investigating rolling mills] Metody issledovaniia prokatnykh stanov. Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 494 p. (MLRA 10:6)
(Rolling mills)

AUTHORS: Pobedin, I. S., Cand. Tech. Sc. and Prikod'ko, I.F., 365
Eng. (TsNIITMASH).

TITLE: Mechanisms for marking blooms and slabs. (Mekhanizmy
dlya kleymeniya blumov i slabov).

PERIODICAL: "Stal'" (Steel), 1957, No.4, pp.333-340 (U.S.S.R.)

ABSTRACT: Various methods and schemes of mechanisation of
marking blooms and slabs are described and illustrated
with diagrams. It is concluded that the most suitable
is the use of machines marking the metal on the roller
table after shears. The machine should have a
mechanised change of markings. The design of TsNIITMASH
(Fig.8) is recommended for the purpose. There are
8 diagrams.

POBEDIN, V.F.

ALFEROV, A.A.; ARTEMKIN, A.A.; ASHKENAZI, Ye.A.; VINOGRADOV, G.P.; GALEYEV, A.U.; GRIGOR'YEV, A.N.; D'YACHENKO, P.Ye.; ZALIT, N.N.; ZAKHAROV, P.M.; ZOBNIN, N.P.; IVANOV, I.I.; IL'IN, I.P.; KMETIK, P.I.; KUDRYASHOV, A.T.; LAPSHIN, F.A.; MOLYARCHUK, V.S.; PERTSOVSKIY, L.M.; POGODIN, A.M.; RUDOV, M.L.; SAVIN, K.D.; SIMONOV, K.S.; SITKOVSKIY, I.P.; SITNIK, M.D.; TETEREV, B.K.; TSETYRKIN, I.Ye.; TSUKANOV, P.P.; SHADIKYAN, V.S.; ADELUNG, N.N., retsenzent; AFANAS'YEV, Ye.V., retsenzent; VLASOV, V.I., retsenzent; VOROB'YEV, I.Ye., retsenzent; VORONOV, N.M., retsenzent; GRITCHENKO, V.A., retsenzent; ZHEREBIN, M.N., retsenzent; IVLIYEV, I.V., retsenzent; KAPORTSEV, N.V., retsenzent; KOCHUROV, P.M., retsenzent; KRIVORUCHKO, N.Z., retsenzent; KUCHKO, A.P., retsenzent; LOBANOV, V.V., retsenzent; MOROZOV, A.S., retsenzent; ORLOV, S.P., retsenzent; PAVLUSHKOV, E.D., retsenzent; POPOV, A.N., retsenzent; PROKOF'YEV, P.F., retsenzent; RAKOV, V.A., retsenzent; SINEGUBOV, N.I., retsenzent; TEREININ, D.F., retsenzent; TIKHO-MIROV, I.G., retsenzent; URBAN, I.V., retsenzent; FIALKOVSKIY, I.A., retsenzent; CHEPYZHEV, B.F., retsenzent; SHEBYAKIN, O.S., retsenzent; SHCHERBAKOV, P.D., retsenzent; GARNYK, V.A., redaktor; LOMAGIN, N.A., redaktor; MORDVINKIN, N.A., redaktor; NAUMOV, A.N., redaktor; POBEDIN, V.F., redaktor; RYAZANTSEV, B.S., redaktor; TVERSKOY, K.N., redaktor; CHEREVATYY, N.S., redaktor; ARSHINOV, I.M., redaktor; BABNLYAN, V.B., redaktor; BERNGARD, K.A., redaktor; VERSHINSKIY, S.V., redaktor; GAMBURG, Ye.Yu., redaktor; DERIBAS, A.T., redaktor; DOMEROVSKIY, K.I., redaktor; KORNEYEV, A.I., redaktor; MIKHEYEV, A.P., redaktor

(Continued on next card)

ALFEROV, A.A. ---- (continued) Card 2.

MOSEVIN, G.N., redaktor; RUBINSHTEYN, S.A., redaktor; TSYPIN, G.S., redaktor; CHERNYAVSKIY, V.Ya., redaktor; CHERNYSHEV, V.I., redaktor; CHERNYSHEV, M.A., redaktor; SHADUR, L.A., redaktor; SHISHKIN, K.A., redaktor

[Railroad handbook] Spravochnaia knizhka zheleznodorozhnika, Izd. 3-e, ispr. i dop. Pod obshchei red. V.A.Garnyka. Moskva, Gos. transp.zhel-dor. izd-vo, 1956. 1103 p. (MLRA 9:10)

1. Nauchno-tekhnicheskoye obshchestvo zheleznodorozhnogo transporta.
(Railroads)